

# INTERNATIONAL SEARCH REPORT

Inte      ial Application No  
PC i/ 162005/002607

A. CLASSIFICATION OF SUBJECT MATTER  
F01N3/32      F02B77/08

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
FOIN    F02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and where practical, search terms used)

EPO-Internal    , WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document with indication, where appropriate of the relevant passages	Relevant to claim No
Y	US 2004/011027    Al (HIROOKA SHIGEMASA ET AL) 22 January 2004 (2004-01-22) paragraph '0072 ! - paragraph '0111 ! ; figures 8-13	1,5, 11
A		2-4,6-9
Y	PATENT ABSTRACTS OF JAPAN vol . 017, no . 603 (M-1505) , 5 November 1993 (1993-11-05) 6 JP 05 179936    A (TOYOTA ROTOR CORP) , 20 July 1993 (1993-07-20) abstract ; figures	1,5, 11
A	US 2004/107693    Al (BAYERLE KLAUS ET AL) 10 June 2004 (2004-06-10) the whole document	1
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☒ Further documents are listed in the continuation of box C

☒ Patent family members are listed in annex

\* Special categories of cited documents

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

1 December 2005

Date of mailing of the international search report

08/12/2005

Name and mailing address of the ISA

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C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	<p>PATENT ABSTRACTS OF JAPAN vol . 016 , no. 119 (M-1225) , 25 March 1992 (1992-03-25) &amp; OP 03 286121 A (MAZDA MOTOR CORP) , 17 December 1991 (1991-12-17) abstract ; figures</p> <p>-----</p>	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PC / IB2005/002607

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2004011027	A1	22-01-2004	JP	2004011585 A	15-01-2004
JP 05179936	A	20-07-1993	JP	2797802 B2	17-09-1998
US 2004107693	A1	10-06-2004	DE	10249421 A1	13-05-2004
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